

Patent  
700693-4012

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

**In re the Application of:**

David G. Scott, et al.

**Application No.: 10/040,122**

Filed:: January 2, 2002

# For: METHOD FOR IDENTIFYING TEST POINTS TO OPTIMIZE THE TESTING OF INTEGRATED CIRCUITS USING A GENETIC ALGORITHM

**Group Art Unit: 2184**

**Examiner:** Unknown

## TRANSMITTAL LETTER

Assistant Commissioner  
For Patents  
Washington, D.C. 20231

Sir:

Enclosed for filing in the above-identified application is the following:

1. **DOCUMENT ENCLOSED:**

☒ Revocation of Power of Attorney, Power of Attorney, and Statement Under 3.73(b).

**CERTIFICATE OF MAILING**  
(37 C.F.R. §1.8a)

I hereby certify that this paper (along with any referred to as being attached or enclosed) is being deposited with the United States Postal Service on the date shown below with sufficient postage as First Class Mail in an envelope addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231.

January 23, 2003  
Date of Deposit  
DOCSSV1:219134.1  
700693-2 R1H

Jeffrey A. Miller  
Name of Person Mailing Paper

Signature of Person Mailing Paper

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☒ Although applicant believes no fee is required, the Commissioner is authorized to charge  
Deposit Account No. 15-0665 for any fees that may be associated with this communication.

Respectfully submitted,  
Orrick, Herrington & Sutcliffe LLP

Dated: January 23, 2003

By:   
Jeffrey A. Miller  
Reg. No. 35,287

4 Park Plaza Suite 1600  
Irvine, California 92614-2558  
(650) 614-7400



#4/Revoc  
Agent/Revoc  
2/21/03

<b>REVOCATION OF POWER OF ATTORNEY, POWER OF ATTORNEY, AND STATEMENT UNDER 37 CFR 3.73(b)</b>	Application Number	10/040122
	Filing Date	January 2, 2002
	First Named Inventor	David G. Scott, et al
	Group Art Unit	2184
	Examiner Name	Unknown
	Attorney Docket Number	700693-4012

I hereby revoke all previous powers of attorney or authorizations of agent given in the above-identified application.

I hereby appoint the practitioners at  
Customer Number

34313



as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the United States Patent and Trademark Office connected therewith.

Please change the correspondence address for the above-identified application to the above-mentioned Customer Number:

I am the Assignee of record of the entire interest. See 37 CFR 3.71.

The following statement is made under 37 CFR 3.73(b):

Cadence Design Systems, Inc., a corporation, states that it is the assignee of the entire right, title, and interest in the above identified patent application/patent by virtue of an assignment from the inventor(s) of the patent application/patent identified above.

1. From David G. Scott and Faisal R. Khoja TO: International Business Machines. The assignment was recorded in the United States Patent and Trademark Office. A copy thereof is attached as Exhibit 1.
2. From International Business Machines, TO: Cadence Design Systems, Inc. A copy of a document evidencing this assignment is being attached as Exhibit 2

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

SIGNATURE of Applicant or Assignee of Record	
Name	Peter Chen/Vice President Of Intellectual Property, Assoc. General Counsel
Signature	
Date	1/16/03
NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below*.	
*Total of 1 forms are submitted.	

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To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

DAVID G. SCOTT  
FAISAL R. KHOJA

Additional names(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance:

- ☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Other \_\_\_\_\_

Execution Date: 01-02-02, 01-02-02

2. Name and address of receiving party(ies):

Name: International Business Machines Corporation

Internal Address: \_\_\_\_\_

Street Address: New Orchard Road

City: Armonk State: NY ZIP: 10504

Additional name(s) & address(es) attached? ☐ Yes ☒ No

4. Application number(s) or patent numbers(s):

If this document is being filed together with a new application, the execution date of the application is: 1-02-02, 1-02-02

A. Patent Application No(s):

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DATE OF DEPOSIT: 1/2/02

BY SIGNATURE & DATE: [Signature] 1/2/02

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Additional numbers attached? ☐ Yes ☒ No

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5. Name and address of party to whom correspondence concerning document should be mailed:

Name: H. DANIEL SCHNURMANN

Internal Address: ZIP 482

Street Address: 2070 ROUTE 52

City: HOPEWELL JUNCTION State: NY ZIP: 12533

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41):.....\$ 40.00

- ☐ Enclosed - Any excess or insufficiency should be credited or debited to deposit account  
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8. Deposit account number:

09-0458 FI-002

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9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

H. Daniel Schnurmann, Reg. No. 35,791

[Signature]

Name of Person Signing

Signature

2

Date

Total number of pages including cover sheet, attachments, and document:

FIS9-2001-0396US1

# ASSIGNMENT

Whereas, we

Inventor  
and City

(1) David G. Scott  
County of Broome

City of Endwell  
and State of New York

and

(2) Faisal R. Khoja  
County of Broome

City of Endicott  
and State of New York

have invented certain Improvements in

Title

## METHOD FOR IDENTIFYING TEST POINTS TO OPTIMIZE THE TESTING OF INTEGRATED CIRCUITS USING A GENETIC ALGORITHM

Dates That  
Inventors  
Signed the  
Declaration

and have executed, respectively, a United States patent application therefor on

(1) January 2, 2002 <sup>048</sup> -2001, and (2) JAN 02, 2002 2004

Whereas, INTERNATIONAL BUSINESS MACHINES CORPORATION, a corporation of New York, having a place of business at Armonk, New York 10504, (hereinafter called IBM), desires to acquire the entire right, title and interest in the said application and invention, and to any United States and foreign patents to be obtained therefor,

Now therefore, for a valuable consideration, receipt whereof is hereby acknowledged, we the above named hereby sell, assign, and transfer to IBM, its successors and assigns, the entire right, title and interest in the said application and invention therein disclosed for the United States and foreign countries, and all rights of priority resulting from the filing of said United States application, and we request the Commissioner of Patents to issue any Letters Patent granted upon the invention set forth in said application to IBM, its successors and assigns; and we hereby agree that IBM may apply for foreign Letters Patent on said invention and we will execute all papers necessary in connection with the United States and foreign applications when called upon to do so by IBM.

City  
Date

(1) Signed at Endicott, New York  
on January 2, 2002

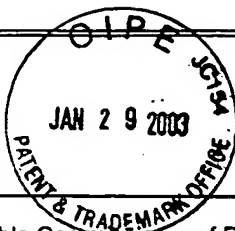
( David G. Scott ) signature  
First Name Middle Initial Last Name ) inventor

City  
Date

(2) Signed at ENDICOTT, NY  
on JAN 02, 2002

( Faisal R. Khoja ) signature  
First Name Middle Initial Last Name ) inventor

FORM PTO-1595  
(Rev. 6-93) 8707.2140



RECORDATION FORM COVER SHEET  
OMB No. 0651-0011 (exp. 4/94)  
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U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

International Business Machines

Additional name(s) of conveying party(ies) attached?

☐ Yes ☒ No

3. Nature of conveyance:

- ☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Other

Execution Date: December 19, 2002.

2. Name and address of receiving party:

Name: Cadence Design Systems, Inc.

Internal Address:

Street Address: 2655 Seely Avenue

City: San Jose State: California

ZIP: 95132

Additional name(s) & address(es) attached? ☐ Yes ☒ No

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No.(s) 09/514,870; 09/661,879; 09/768,121; 09/681,602  
09/972,000; 09/745,603; 09/697,362; 09/739,048; 09/878,554; 10/040,122; 09/444,781

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Jeffrey A. Miller

Internal Address: Orrick, Herrington & Sutcliffe LLP

Street Address: 4 Park Plaza, Suite 1600

City: Irvine State: California ZIP: 92614

6. Total number of applications and patents involved: [ 1 ]

7. Total fee (37 CFR 3.41).....\$ 440.00

- ☐ Enclosed Check No.  
☒ Authorized to be charged to deposit account for any deficiency

8. Deposit account number: 15-0665

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9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Jeffrey A. Miller, Reg. No. 35,287  
Name of Person Signing

[Signature]  
Signature

December 26, 2002  
Date

Total number of pages including cover sheet, attachments, and document: [3]

Mail documents to be recorded with required cover sheet information to:  
Commissioner of Patents & Trademarks, Box Assignments Washington, D.C. 20230

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## PATENT ASSIGNMENT ACKNOWLEDGEMENT

This **PATENT ASSIGNMENT ACKNOWLEDGEMENT** (the "Acknowledgement") is executed as of the date below, by **INTERNATIONAL BUSINESS MACHINES CORPORATION**, a New York corporation ("IBM").

**WHEREAS**, IBM has entered into an "Patent Assignment Agreement" (the "Agreement") with **CADENCE DESIGN SYSTEMS, INC.**, a Delaware corporation ("CADENCE"), dated September 27, 2002 ("Effective Date"), pursuant to which IBM has agreed to, among other things, assign to CADENCE certain United States patents.

**WHEREAS**, IBM and CADENCE wish to evidence the assignment of such patent rights made in the Agreement with this document.

NOW, THEREFORE, for good and valuable consideration, IBM agrees as follows:

### **ARTICLE I IBM PATENTS**

"IBM Patents" shall mean the patent applications listed in Attachment A.

### **ARTICLE II ASSIGNMENTS**

Effective on the Effective Date, and subject to the terms and conditions of the Agreement, including certain reserved rights, IBM has assigned, transferred and conveyed to CADENCE all of IBM's right, title and interest in the IBM Patents.

**IN WITNESS WHEREOF**, IBM has caused this Acknowledgement to be executed.

**INTERNATIONAL BUSINESS MACHINES CORPORATION**

By: 

Gerald Rosenthal  
Vice President

Date: December 19, 2002

**ATTACHMENT A TO IBM PATENT ASSIGNMENT ACKNOWLEDGEMENT**

09/514870
09/661879
09/768121
09/681602
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09/745603
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